Figure 1

(a) carbohydrate phosphotransferase;(b) KDPGal aldolase, D-erythrose 4-phosphate;(c) DAHP synthase, D-erythrose 4-phosphate;(d) shikimate pathway enzymes

Figure 2

Figure 3

Plasmid (size)	Plasmid Map ^a	
pNR5:223	<u> </u>	χχ
(4.5-kb)	kan ^R Ap ^R	Plac EC dgoA
pNR7.088	<u> </u>	ВР
(4.8-kb)	Ap ^R lacl ^Q	P _{trc} EC dgoA
pNR7.118	P	ВР
(5.9-kb)	Ap ^R laci ^Q	P _{tac} EC dgoA
pNR6.252	E	<u></u>
(5.9-kb)	Ap ^R lacl ^Q	P _{tac} KP dgoA
pNR7.126	B	E B
(6.4-kb)	Ap ^R lacl ^Q P _{tr}	
pNR7.288	N N E (Bg) (Bģ) E K	(S) N
(8.5-kb)	Ap ^R P _{lac} (aroF) cat (aroF) aroE	serA
pNR7.297	<u>В</u> <u>В</u> (М)	(M) B
(5.2-kb)	Cm ^R P _{lac} (aroG)	tet (aroG)
pNR7.290	<u>ң х р</u>	P H
(6.8-kb)	Ap ^R lacl ^Q P _{trc} (aroH)	Kan ^R (aroH)
pKP03-3	Ę	E B
(5.9-kb)	Ap ^R laci ^Q	P _{tac} KP03-3
pEC03-1	٩	B P
(4.8-kb)	Ap ^R lacl ^Q	Ptrc EC03-1
pNR8.074	(H) E	<u>투</u> (커)
(7.5-kb)	Ap ^R laci ^O P _{tac} KP d	goA serA
pKP03-3serA	(t <u>i</u>) <u>E</u>	h (H)
(7.5-kb)	Ap ^R lacl ^Q P _{tac} KP03	3-3 serA
pNR8.075	(H) B	P (H)
(6.8-kb)	Ap ^R laci ^Q P _{trc} EC d	goA serA
pEC03-1serA	(Ḥ) ·	무 (부)
(6.8-kb)	Ap ^R laci ^Q P _{trc} ECo	—

Figure 4

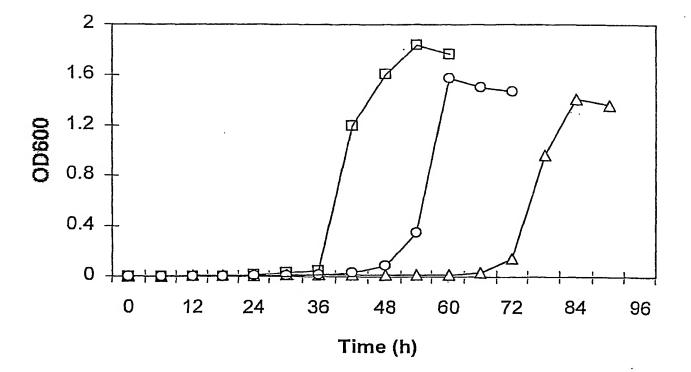


Figure 5

